

**ecology and environment, inc.**

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International Specialists in the Environment

SCREENING SITE INSPECTION REASSESSMENT

SUBMITTED TO: Paul La Courreye, Site Screening Coordinator
EPA Region IX

PREPARED BY: Laurie Campbell, Ecology and Environment, Inc. *AL*

THROUGH: *TWB*
Thomas Beer, Ecology and Environment, Inc.

DATE: June 27, 1989

SUBJECT: Phelps Dodge Corp., Morenci, Temporary Highway 666
Morenci, Arizona 85540

EPA ID#: AZD039055413

FIT REVIEW/CONCURRENCE: *Chris Lichens, 10/24/89*

cc: FIT Master File
Chris Lichens, Ecology and Environment, Inc.
Dan Marsin, AZ Dept. of Environmental Quality

INTRODUCTION

The U.S. Environmental Protection Agency, Region IX, has tasked Ecology and Environment, Inc.'s Field Investigation Team (FIT) to reassess all sites with completed Screening Site Inspections (SSI) in the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database that are still being considered for further action. The strategy for determining whether these SSIs actually merit further action is based primarily on each site's potential to achieve a score high enough on the proposed revised Hazard Ranking System (rHRS) for inclusion on the National Priorities List (NPL). This strategy is intended to identify those sites posing the highest relative risk to human health or the environment. All other sites needing remedial or enforcement follow-up will be referred to the states or an appropriate federal authority. Actions and involvement by authorities other than the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) will also be considered.

wp2/lc/pdmorenci/sire-cr-cwm

SUMMARY

The Phelps Dodge Corp., Morenci site (Phelps Dodge) is a copper mining and smelting facility in Arizona. The site is located in a heavily mineralized area of Greenlee County near the towns of Morenci and Clifton. Mining operations lie on all sides of Chase Creek and along tributaries to the creek.

The site consists of two open-pit copper mines, concentrators, precipitators, leach piles and a smelter. In past operations the facility dumped large quantities of overburden and low-grade copper ore into the streambed of Chase Creek. On several occasions the flows in Chase Creek were found to be extremely acidic and to contain high levels of copper and zinc, due to both rainfall-induced leachate from mine dumps and flows originating from abandoned mine shafts buried under the mine dumps.

The Phelps Dodge facility has been in operation since 1937. In 1966, the facility began diverting the flows of Chase Creek to a copper precipitator. In 1969 Phelps Dodge spilled 448,000 gallons of leach solution into the San Francisco River; this resulted in a massive fish kill over the entire length of the San Francisco River downstream of Chase Creek, and a mile of the Gila River, a total distance of approximately 19 miles.

On September 11 and 12, 1984, the EPA conducted a Compliance Sampling Inspection of the Morenci Mine. On November 8, 1984, the EPA issued a letter under Section 308 of the Clean Water Act that required Phelps Dodge to submit water quality, flow, and rainfall data. On May 30, 1985 the EPA filed a civil suit against Phelps Dodge for violations under the Clean Water Act. The State of Arizona also filed suit.

In 1986, the Arizona Department of Health Services issued a groundwater permit to Phelps Dodge for on-site leaching processes and a solvent extraction plant. Low grade ore is processed with a raffinate solution to leach out the copper.

Later that year, via Consent Decree, Phelps Dodge was required to install a surface water drainage system and obtain an Aquifer Protection Permit. The permit called for the installation of three downstream monitoring wells that are currently installed and checked monthly for contamination. Since their installation in 1986, no contamination has been found.

Phelps Dodge controls drainage in Chase Creek and Gold Gulch by three components:

- 1) Upper Chase Creek Reservoir water is diverted via a pipeline from above to below the mine,
- 2) Morenci Drop Cut (a low spot in its open pit) captures drainage from the mine, and
- 3) Lower Chase Creek Dam was sized to capture drainage from the entire facility during a 100-year storm.

OTHER AUTHORITY INVOLVEMENT

In 1986, the Arizona Department of Health Services issued a groundwater permit for dump leachate activities and a solvent extraction plant.

In 1986, Phelps Dodge entered into a Consent Decree with the State of Arizona. Phelps Dodge paid a one million dollar fine and agreed to install surface water diversion and groundwater monitoring systems.

CONCLUSION

It appears that Phelps Dodge Corp., Morenci, Arizona, is eligible for the National Priorities List for the following reasons:

- o High waste quantity,
- o High waste toxicity/persistence,
- o Poor waste management practices, and
- o Potentially high target population.

However, due to the following remedial activities implemented in 1986, it appears that the Phelps Dodge Morenci site is no longer a threat to human health or the environment:

- o Monthly groundwater sampling program,
- o Surface water diversion and drainage system, and periodic sampling,
- o Strong involvement and monitoring program at the State and Federal level, and
- o No groundwater or surface water contamination has been found since the Pollution Control Systems were installed in 1986.

NFRAP - Anita Parker 3/23/90

PA/SI CONTACT LOG

Facility Name: Phelps Dodge Corp., Morenci
Facility ID: AZD039055413

Name	Affiliation	Phone #	Date	Information
Jake Brooks	Clifton Water Company	(602) 865-3681	6/15/89	See Contract Report.
Gary Jones	Phelps Dodge Corp, Eng.	(602) 865-4521 ext. 236	6/15/89	There are two wells located 2.5 miles north of Clifton that supply the city's drinking water. The #1 well screens at 148 ft. and the #2 well screens at 135 ft. He does not know about the aquifer systems, but he referred me to Bill Richardson, a hydrogeologist at Phelps Dodge Corp., who does.
Greg Arthur	Environmental Protection Agency	(415) 974-8993	6/26/89	See Contact Report.
Bill Cuthberston	Phelps Dodge Corp., Eng.	(602) 865-4521	7/12/89	Any mined material that is low quality and would not be profitable to process in the traditional way (crushing, smelting, etc.,) is moved to a dump to be leached with a raffinate solution to extract the copper.
Gene Etter	Phelps Dodge Corp., Eng.	(602) 865-4521 ext. 237	7/12/89	See Contract Report
Ted Cogut	Phelps Dodge Corp., Div. Envir. Serv.	(602)	7/12/89	See Contract Report
Andy Rendes	Arizona Dept. of Envir. Quality	(602) 628-5321	7/13/89	See Contract Report
Layali Azar-Schubert	Arizona Dept. of Envir. Quality	(602) 257-6818	7/13/89	See Contract Report

CONTACT REPORT

AGENCY/AFFILIATION: Clifton Water Company		
DEPARTMENT :		
ADDRESS/CITY: Clifton		
COUNTY/STATE/ZIP: Greenlee County, Arizona		
CONTACT(S)	TITLE	PHONE
1. Jake Brooks	Supervisor	(602) 865-3681
2.		
E & E PERSON MAKING CONTACT: Laurie Campbell		DATE: 6-15-89
SUBJECT: Drinking Water		
SITE NAME: Phelps Dodge Corp., Morenci		EPA ID#: AZD039055413

Mr. Brooks provided the following information.

The city of Morenci is located 0.5 miles from Phelps Dodge Corp. The population is 4,000, and its source of drinking water is surface water. The intake is located at Eagle Creek, 17 miles upstream of the site.

The city of Clifton is located 6 miles east of the site. The population is 3,000 and its drinking water is obtained from groundwater. The wells are located 2.5 miles from the site (and 3 miles north of Clifton) near the San Francisco River.

For more well information, Mr. Brooks referred me to Gary Jones of the Phelps Dodge Corp., who is in charge of the wells.

CONTACT REPORT

AGENCY/AFFILIATION: Environmental Protection Agency		
DEPARTMENT :		
ADDRESS/CITY: San Francisco		
COUNTY/STATE/ZIP: San Francisco, CA 94115		
CONTACT(S)	TITLE	PHONE
1. Greg Arthur		(415) 974-8993
2.		
E & E PERSON MAKING CONTACT: Laurie Campbell		DATE: 6-26-89
SUBJECT: Remedial Action		
SITE NAME: Phelps Dodge Corp., Morenci		EPA ID#: AZD039055413

Mr. Arthur said that Phelps Dodge was fined 1 million dollars for not complying with the Clean Water Act. In 1986, via Consent Decree, Phelps-Dodge was required to install a surface water drainage system around the mine, and to obtain an Aquifer Protection Permit. The permit called for the installation of three downstream monitoring wells. They are currently installed and checked monthly for contamination. Since their installation in 1986, no contamination has been found.

Phelps Dodge controls drainage in Chase Creek and Gold Gulch by three components:

- 1) Upper Chase Creek Reservoir water is diverted via a pipeline from above to below the mine,
- 2) Morenci Drop Cut (a low spot in its open pit) captures drainage from the mine, and
- 3) Lower Chase Creek Dam was sized to capture drainage from the entire facility during the 100-year storm.

Mr. Arthur believes that Phelps-Dodge has an excellent drainage system. The EPA Water Management Division has a Phelps Dodge Corp., Morenci file in its Clean Water Act Files.

Mr. Arthur said that surface water contamination is unlikely. He said that the statement, "Available evidence already indicates that the existing facilities are polluting groundwater on a large scale [Arthur, 1985]" that appeared in the Review of Groundwater Permit Application for Morenci Solvent Extraction Plant and Dump Leaching, by Benjamin Ross of Disposal Safety Incorporated, is an overstatement.

CONTACT REPORT

AGENCY/AFFILIATION: Phelps Dodge Corp.		
DEPARTMENT :		
ADDRESS/CITY: Morenci		
COUNTY/STATE/ZIP: Arizona		
CONTACT(S)	TITLE	PHONE
1. Gene Etter	Engineer	(602)865-4521
2.		ext. 237
E & E PERSON MAKING CONTACT:		DATE: 7/12/89
SUBJECT: Well monitoring		
SITE NAME: Phelps Dodge Corp., Morenci		EPA ID#: AZD039055413

Fred Felkins (at ext. 271) handles monthly well monitoring at Chase Creek and San Francisco River wells.

Mr. Etter is in charge of sampling the San Francisco River upstream and downstream of Phelps Dodge. This is done only when the river flows. Since it has been a very dry year, he has sampled only three times. His samples are analyzed for arsenic, copper, chromium, total dissolved solids, and pH. He has not found any contamination to date. He believes that the sampling data is sent to John Dahl at the DEQ.

CONTACT REPORT

AGENCY/AFFILIATION: Phelps Dodge Corp.		
DEPARTMENT:		
ADDRESS/CITY: Morenci		
COUNTY/STATE/ZIP: Arizona		
CONTACT(S)	TITLE	PHONE
1. Ted Cogut	Dir. of Environmental Services	(602) 865-4521
2.		
E & E PERSON MAKING CONTACT: Laurie Campbell		DATE: 7/12/89
SUBJECT: Groundwater Sampling		
SITE NAME: Phelps Dodge Corp., Morenci		EPA ID#: AZD039055413

Mr. Cogut said that Andy Rendes, with the ADEQ, Water Control Compliance Unit, and Greg Arthur with the EPA, Region IX are in charge of inspecting the surface water diversion and drainage structures. Surface water and groundwater samples are sent to BC Labs, which then sends the results to the EPA and Layali Azar-Schuster at the ADEQ.

The installation of the Pollution Control Systems cost Phelps Dodge \$9 million.

Ted Cogut is very proud of the Pollution Control system at Phelps Dodge.

CONTACT REPORT

AGENCY/AFFILIATION: Arizona Department of Environmental Quality		
DEPARTMENT: Compliance Unit		
ADDRESS/CITY: Tucson		
COUNTY/STATE/ZIP: Arizona		
CONTACT(S)	TITLE	PHONE
1. Andy Rendes	Environmental Engineer	(602) 628-5321
2.		
E & E PERSON MAKING CONTACT: Laurie Campbell		DATE: 7/13/89
SUBJECT: Sampling Data		
SITE NAME: Phelps Dodge Corp., Morenci		EPA ID#: AZD039055413

Mr. Rendes checks the Pollution Control structures at the site a minimum of once a year.

On many occasions, Greg Arthur, EPA Region IX, has joined him.

The National Pollution Discharge Elimination System (NPDES) permit requires that Phelps Dodge sample surface water upstream and downstream of the site for arsenic, cadmium, copper, chromium, TDS, copper, lead, mercury, and pH.

The groundwater Protection Permit requires Phelps Dodge to sample groundwater for: arsenic, barium, cadmium, total chromium, lead, mercury, nitrate, selenium, silver, fluoride, phenols, copper, manganese, zinc, calcium, chloride, iron, magnesium sodium, sulfate, TDS, bicarbonate, potassium, and pH from 3 monitoring wells.

CONTACT REPORT

AGENCY/AFFILIATION: Arizona Department of Environmental Quality		
DEPARTMENT: Water Pollution Compliance Unit		
ADDRESS/CITY: Phoenix		
COUNTY/STATE/ZIP: Arizona		
CONTACT(S)	TITLE	PHONE
1. Layali Azar-Schubert		(602) 257-6818
2.		
E & E PERSON MAKING CONTACT: Laurie Campbell		DATE: 7/13/89
SUBJECT: Sampling Data		
SITE NAME: Phelps Dodge Corp., Morenci		EPA ID#: AZD039055413

Her department receives quarterly reports from Phelps Dodge as a requirement of its NPDES and Groundwater Protection Permits. She said that Phelps Dodge is in compliance with the Groundwater Protection Permit, but not with the NPDES permit.

6/13/89

I called Andy Rendes of the ADEQ, Tucson, at (602) 628-5321, who said that Phelps Dodge is in compliance on both permits. He saw the 1989 report himself.

CONTACT LOG

Facility Name: Phelps Dodge Morenci
Facility ID: AZD039055413

Name	Affiliation	Phone #	Date	Information
Ed Pond	ADEQ, Office of Water Quality	602/207-4575	2/8/93	See Contact Report
Julie Major	ADEQ, Water Pollution Compliance	602/207-4620	2/11/93	See Contact Report
David Anderson	ADEQ, Office of Water Quality	602/207-4669	2/11/93	See Contact Report
Ron Clawson	US EPA Region IX	415/744-1888	2/16/93	See Contact Report
Jose Gutierrez	US EPA Region IX GW Pollution Control	415/744-1842	2/22/93	He has started to handle monitoring data from the mining companies, specifically, SDWA compliance. He maintains files in his office (12203).
Wayne Palsma	ADEQ Wastewater & APP Unit	602/207-4665	2/23/93	See Contact Report
Dave Anderson	ADEQ	602/207-4669	3/2/93	See Contact Report
Ron Frey	ADEQ, Office of Water Quality	602/207-4616	3/5/93	See Contact Report
Elvira James	U.S. EPA Region IX	415/744-2162	4/6/93	See Contact Report

CONTACT REPORT

AGENCY/AFFILIATION: Arizona Deaprtment of Environmental Quality (ADEQ)		
DEPARTMENT: Office of Water Quality		
ADDRESS/CITY: 3033 North Central Avenue, Phoenix		
COUNTY/STATE/ZIP: Maricopa County, AZ 85012		
CONTACT(S)	TITLE	PHONE
1. Ed Pond	Manager, Mining Unit	602/207-4575
2.		
E & E PERSON MAKING CONTACT: Tim Colen		DATE: 2/11/93
SUBJECT: State involvement with the site		
SITE NAME: Phelps Dodge Morenci		EPA ID#: AZD039055413

Mr. Pond stated the Morenci site has an Arizona groundwater protection permit (GWPP) which is a precursor to the current Arizona aquifer protection permit (APP). Morenci appears to have permitted only a small portion of its operations.

Further information regarding the site might be obtained from:

David Anderson, hydrogeologist ADEQ	607/207-4669
Julie Major, ADEQ Water Pollution Compliance	607/207-4620
Ron Clawson, US EPA Region IX	415/744-1888

Phelps Dodge can be called directly; Ted Cogut is the environmental director for the company - 602/865-4521.

CONTACT REPORT

AGENCY/AFFILIATION: ADEQ		
DEPARTMENT:		
ADDRESS/CITY: 3033 North Central Avenue, Phoenix		
COUNTY/STATE/ZIP: Maricopa County, AZ 85012		
CONTACT(S)	TITLE	PHONE
1. David Anderson	Hydrogeologist	602/207-4669
2.		
E & E PERSON MAKING CONTACT: Tim Colen		DATE: 2/11/93
SUBJECT: State involvement with the site		
SITE NAME: Phelps Dodge Morenci		EPA ID#: AZD039055413

Mr. Anderson stated that the Morenci operation has had a groundwater protection permit (GWPP) issued by the state, since approximately 1987. The GWPP covers the diversion of Chase Creek that Phelps Dodge constructed to prevent a nearby tailings pile from washing into the creek and includes a reservoir constructed upstream of the tailings which is lined with a geotextile. Although Chase Creek is ephemeral, the stream flow is diverted by means of a 1-mile long pipeline to the channel downstream of the tailings pile. This is, in effect, a stormwater diversion project.

Phelps Dodge has also installed 3 monitoring wells as part of its GWPP: Wells CC-7, CC-8, and CC-14. One is below the base of the reservoir, one is above the tailings pile but above the outfall of the pipe, and one is in the stream channel below the outfall of the pipe. Phelps Dodge has been regularly sending monitoring well analytical data from these wells for the last few years. In order to define groundwater contaminant alert levels for its GWPP, Phelps Dodge was allowed to average its analytical data over 5 months, presumably to normalize any sharp fluctuations of metals concentrations. There is some ambiguity about whether these groundwater sampling data represent a running 5-month average or are discrete samples.

ADEQ has not had the resources to actively oversee Phelps Dodge, but will continue to attempt to stay abreast of monitoring the site for compliance. No decisions have been reached regarding the facility's timetable for an APP application. Mr. Anderson stated that Phelps Dodge has generally been quite cooperative with ADEQ.

The ADEQ project manager for the site is Ms. Chiou Chen. Monitoring well

data for the facility's NPDES permit can be obtained from Wayne Palsma at 602/207-4665.

CONTACT REPORT

AGENCY/AFFILIATION: US EPA		
DEPARTMENT:		
ADDRESS/CITY: 75 Hawthorne Street, SFO		
COUNTY/STATE/ZIP: California 94105		
CONTACT(S)	TITLE	PHONE
1. Ron Clawson	Manager	415/744-1888
2.		
E & E PERSON MAKING CONTACT: Tim Colen		DATE: 2/16/93
SUBJECT: EPA's involvement with site		
SITE NAME: Phelps Dodge Morenci		EPA ID#: AZD039055413

Mr. Clawson stated that ADEQ has no authority for NPDES permits although it receives monitoring data the mining companies issue for compliance. He is not as involved with this site as he is with Pinto Valley Copper Corporation in Miami.

Monitoring data submitted by Phelps Dodge (PD) is being evaluated by Jose Gutierrez at EPA's Safe Drinking Water Act (SDWA) unit. The group's supervisor is Clancy Tenley.

CONTACT REPORT

AGENCY/AFFILIATION: ADEQ		
DEPARTMENT: Wastewater / Aquifer Protection Permit (APP) Unit		
ADDRESS/CITY: 3033 North Central Avenue, Phoenix		
COUNTY/STATE/ZIP: Maricopa County, AZ 85012		
CONTACT(S)	TITLE	PHONE
1. Wayne Palsma	-----	602/207-4665
2.		
E & E PERSON MAKING CONTACT: Tim Colen		DATE: 2/23/93
SUBJECT: Regulatory involvement with the site		
SITE NAME: Phelps Dodge Morenci		EPA ID#: AZD039055413

Mr. Palsma stated that he writes the permits for the mining sites, including NPDES permits, but is not involved with monitoring them for compliance. Phelps Dodge's NPDES permit (there is only one) covering the Morenci operation is a 5-year permit which was issued September 29, 1992. This permit regulates two discharge points: (1) a discharge to Chase Creek, and (2) a discharge to Gold Gulch.

There are no monthly monitoring requirements. Instead, a daily sample of the discharge is required when there is runoff because of rainstorms. This occurs most commonly during late summer and winter. The permit requires that Phelps Dodge submit its data through discharge monitoring reports (DMRs).

Further information regarding this can be obtained from Ron Frey (ADEQ, Permit Compliance) (602)207-4616.

CONTACT REPORT

AGENCY/AFFILIATION: Arizona Department of Environmental Quality (ADEQ)		
DEPARTMENT: Office of Water Quality		
ADDRESS/CITY: 3033 North Central Avenue, Phoenix		
COUNTY/STATE/ZIP: Arizona 85102		
CONTACT(S)	TITLE	PHONE
1. David Anderson	Hydrologist	602/207-4669
2.		
E & E PERSON MAKING CONTACT: Tim Colen		DATE: 3/2/93
SUBJECT: Further information on the Morenci site		
SITE NAME: Phelps Dodge Morenci Unit		EPA ID#: AZD039055413

Mr. Anderson stated that there are no potential hazardous substance sources in Chase Creek upstream of the Morenci mining operations. It appears that Phelps Dodge is the largest and possibly only potentially responsible party for groundwater contamination in Greenlee County.

Although ADEQ's resources are not sufficient to permit it to actively oversee all environmental aspects of the Morenci facility, they are adequate to provide an evaluation of its groundwater and surface water monitoring programs.

He has copies of Phelps Dodge's quarterly groundwater monitoring reports dating back to 4th quarter 1990, and agreed to send me copies. These reports cover monitoring wells CC-7, CC-8, and CC-14, located within the Chase Creek drainage basin. Samples from these wells are analyzed for 13 priority metals, inorganics, and phenols. He said that phenol concentrations have increased over time, though he had no explanation for its source or whether it was part of Morenci's operations. Selenium concentrations have increased in CC-8 though the reasons for this are also not clear. In gneral, however, metals concentrations in the monitoring wells are below Arizona drinking water standards.

The facility's NPDES permit appears to be in order and there have been no berm failures recently. Interestingly, the area receives more rain in the summer than it does in the winter. though runoff has been exceptionally heavy this winter.

CONTACT REPORT

AGENCY/AFFILIATION: Phelps Dodge Mining Company		
DEPARTMENT: Environmental Services		
ADDRESS/CITY: 4521 Highway 666, Morenci		
COUNTY/STATE/ZIP: Geenlee County, AZ 85540		
CONTACT(S)	TITLE	PHONE
1. Ted Cogut	Envir. Services Supervisor	602/865-4521
2.		
E & E PERSON MAKING CONTACT: Tim Colen		DATE: 3/2/93
SUBJECT: Surface water and groundwater		
SITE NAME: Phelps Dodge Morenci Unit		EPA ID#: AZD039055413

Mr. Cogut stated that as part of Phelps Dodge's groundwater protection permit (GWPP) monitoring wells CC-7, CC-8, and CC-14 are sampled monthly and the results are compiled for quarterly reports to ADEQ. The GWPP covers Chase Creek drainage. The facility expects that it will submit an aquifer protection permit (APP) application by March 1996.

The facility currently maintains a NPDES permit which authorizes discharges at three outfall points: Gold Gulch dam, lower Chase Creek dam, and upper Chase Creek Dam. Water samples are required daily when runoff spills over the dams. Because of the excess capacity of the dams, sampling is rarely conducted. He said that even the runoff from recent heavy winter storms has not exceeded the dams' capacity.

The facility also maintains operating permits for its air pollution control devices with the state. In addition, the smelter was permitted with the state for air emissions, but has been closed down for several years.

I asked Mr. Cogut to forward copies of the two most recent quarterly groundwater monitoring reports and he agreed subject to my written request. Their fax number is (602) 865-4521.

CONTACT REPORT

AGENCY/AFFILIATION: ADEQ		
DEPARTMENT: Office of Water Quality		
ADDRESS/CITY: 3033 North Central Avenue, Phoenix		
COUNTY/STATE/ZIP: Maricopa County, AZ 85012		
CONTACT(S)	TITLE	PHONE
1. Ron Frey	Envir. Specialist	602/207-4616
2.		
E & E PERSON MAKING CONTACT: Tim Colen		DATE: 3/5/93
SUBJECT: NPDES monitoring program at Morenci		
SITE NAME: Phelps Dodge Morenci		EPA ID#: AZD074489469

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Mr. Frey is responsible for reviewing and inputing Phelps Dodge's surface water analytical data for its National Pollutant Discharge Elimination System (NPDES) permit and for issuing the quarterly monitoring reports.

He stated that Phelps Dodge appeared to be in compliance with the terms of its permit as of 4th quarter 1992. The site was last inspected in January 1992 for NPDES compliance. The person currently responsible for inspection of this site is John Shepardson, the Section Manager.

Mr. Frey did not believe that there is any continuous discharge from the site to Chase Creek.

CONTACT REPORT

AGENCY/AFFILIATION: Labat-Anderson, Inc. (contractor)		
DEPARTMENT: Superfund Records Center (H-6-1), U.S. EPA Region IX		
ADDRESS/CITY: 75 Hawthorne Street, San Francisco		
COUNTY/STATE/ZIP: SFO, CA 94105		
CONTACT(S)	TITLE	PHONE
1. Elvira James	Records Librarian	415/744-2162
2.		
E & E PERSON MAKING CONTACT: Tim Colen		DATE: 4/6/93
SUBJECT: Status of the sites' EPA ID numbers		
SITE NAME: Phelps Dodge Plantsite Shopping Center		EPA ID#: AZD074489469,

039055413

Ms. James stated that, according to information she obtained in EPA's Wasteland database, the EPA ID number for Phelps Dodge Morenci Branch, AZD039055413, no longer exists. This is consistent with my investigation in E & E's CERCLA databases, which contain no listing for this number. She said that this is the number that was previously used for the Phelps Dodge Plantsite Shopping Center. She could not explain why the earlier number would have been deleted from CERCLIS, but suggested I contact either Jim Quint or Bob Fitzgerald at EPA.